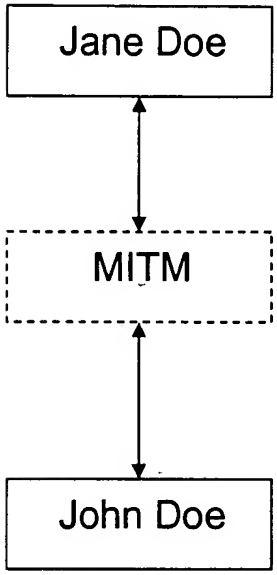



Fig. 1

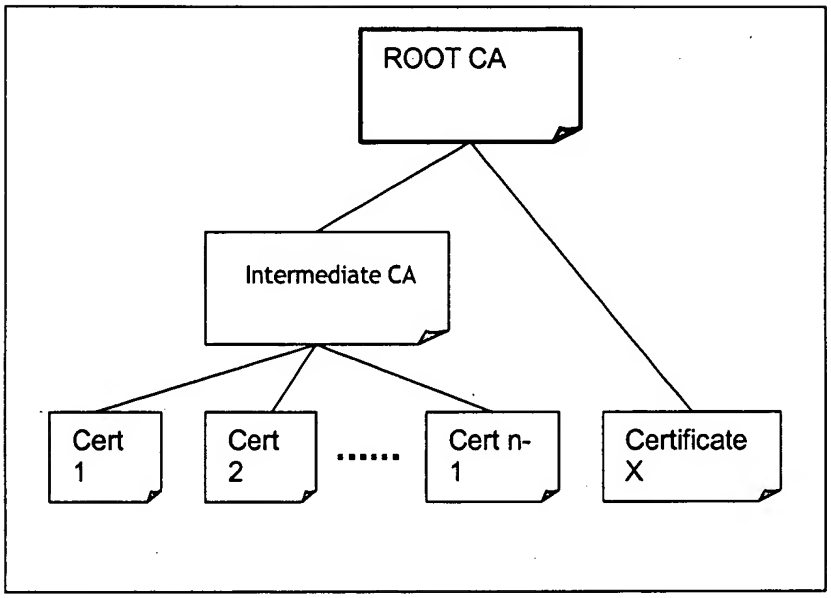
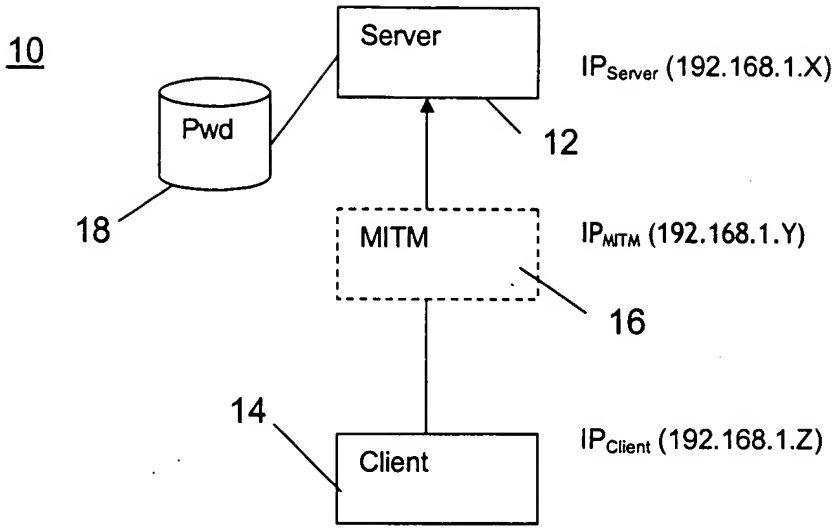



Fig. 2 (prior art)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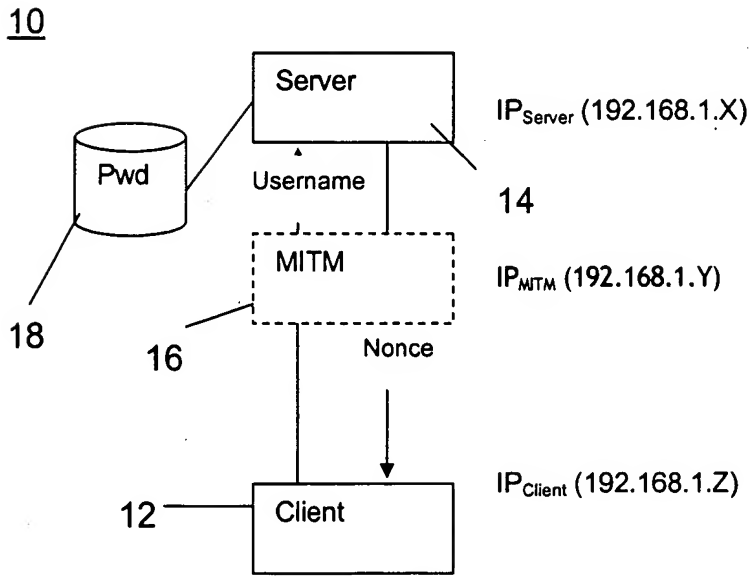
Pwd
12
18
MITM
IP$_{MITM}$ (192.168.1.Y)
16
14
Client
IP$_{Client}$ (192.168.1.Z)

Fig. 3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Server
IP$_{Server}$ (192.168.1.X)
Pwd
Username
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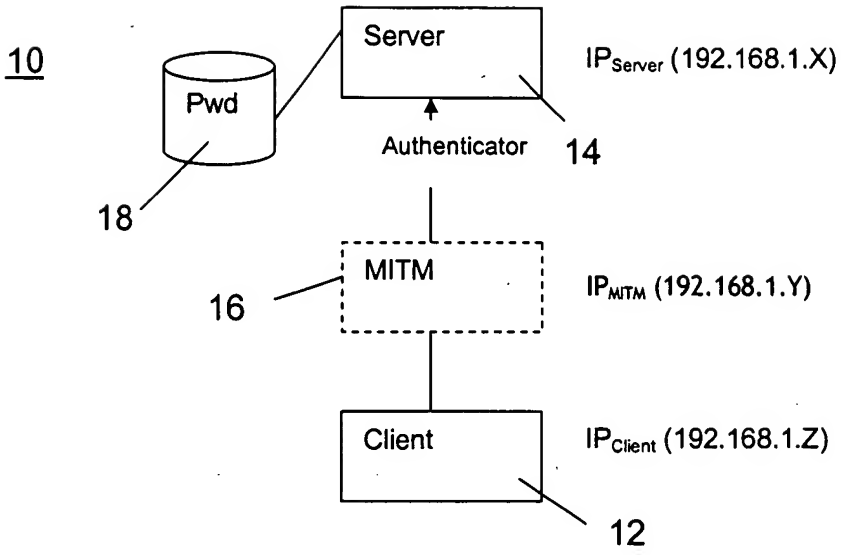
MITM
IP$_{MITM}$ (192.168.1.Y)
18
16
Nonce
12
Client
IP$_{Client}$ (192.168.1.Z)

Fig. 4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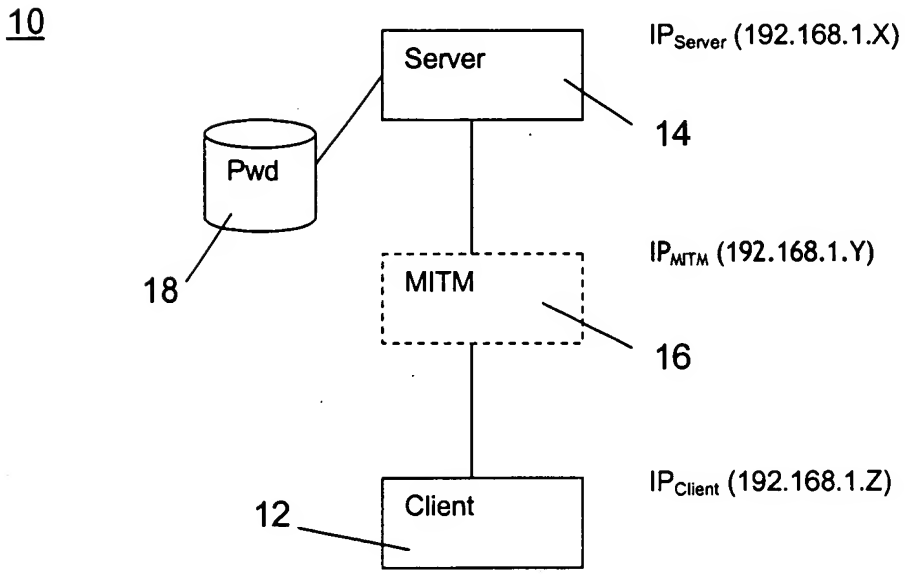
Server
Pwd
Authenticator
14
18
MITM
16
Client
12
IP Server (192.168.1.X)
IP MITM (192.168.1.Y)
IP Client (192.168.1.Z)

Fig.5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Server
14
Pwd
18
MITM
16
12
Client
IP Server (192.168.1.X)
IP MITM (192.168.1.Y)
IP Client (192.168.1.Z)

Fig. 6